

It is proposed that it] The heat exchanger is arranged in a main exhaust-gas flow (34), and [that] a shutoff device is provided in the coolant inflow (26).

IN THE CLAIMS:

Please cancel claims 1-6 without prejudice.

Please add the following new claims:

7. Heat exchanger (10) between a cooling circuit and an exhaust-gas line of an internal combustion engine, having a coolant inflow (26) and a coolant return (28) for coolant ducts (14), as well as an exhaust-gas inlet (30) and an exhaust-gas outlet (32) for exhaust-air ducts (36), wherein said heat exchanger is arranged in a main exhaust-gas flow (34), characterized in that a gas reservoir (16) is connected at a high point (24) of the coolant ducts (14), from which, when a shutoff device (20) is closed and an upper limit temperature of a coolant, gas is supplied into the coolant-ducts (14) and displaces the coolants from the heat exchanger (10), and wherein the gas is returned to the gas reservoir (16) shortly before the shutoff device (20) is opened.

8. Heat exchange (10) according to claim 7, characterized in that the gas reservoir (16) is formed as a bellows, wherein a connecting line (18) is

arranged on a first face (48) of said bellows, and wherein an actuator (22) acts on a second face (50) of said bellows opposite to said first face .

9. Heat exchanger (10) according to claim 8, characterized in that the actuator (22) is operated electrically, hydraulically, or pneumatically.

10. Heat exchanger (10) between a cooling circuit and an exhaust-gas line of an internal combustion engine, having a coolant inflow (26) with a first shutoff device (20) and a coolant return (28) for coolant ducts (14), as well as an exhaust-gas inlet (30) and an exhaust-gas outlet (32) for exhaust-air ducts (26), wherein said heat exchanger (10) is arranged in a main exhaust-gas flow (34), characterized in that a bypass line (56) is provided between the exhaust-gas inlet (30) and the exhaust-gas outlet (32), and wherein a second shutoff device (58) is arranged on a branch of the bypass line (56) in order to control the exhaust-gas inlet (30) and the bypass line (56) in complementary fashion, such that the bypass line (56) is opened to the same degree as the exhaust-gas inlet (30) is restricted, and the bypass line (56) is restricted to the same degree as the exhaust-gas line (30) is opened.

11. Heat exchanger (10) according to claim 7, characterized in that the heat exchanger (10) is arranged in a main exhaust-gas flow (34) in a direction of flow behind a catalytic exhaust-gas converter.